



Resource Planning

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Resource Planning

Description

Overview

A new resource reservation (ground event) is scheduled, but the new resource plan causes problems for the Production Planner who has a large MODIS reprocessing job due. The resource plan is adjusted to the satisfaction of all parties.

Assumptions

- The new ground event is validated and approved
- The time of the ground event execution is flexible
- It is possible to satisfy all parties

Scenario

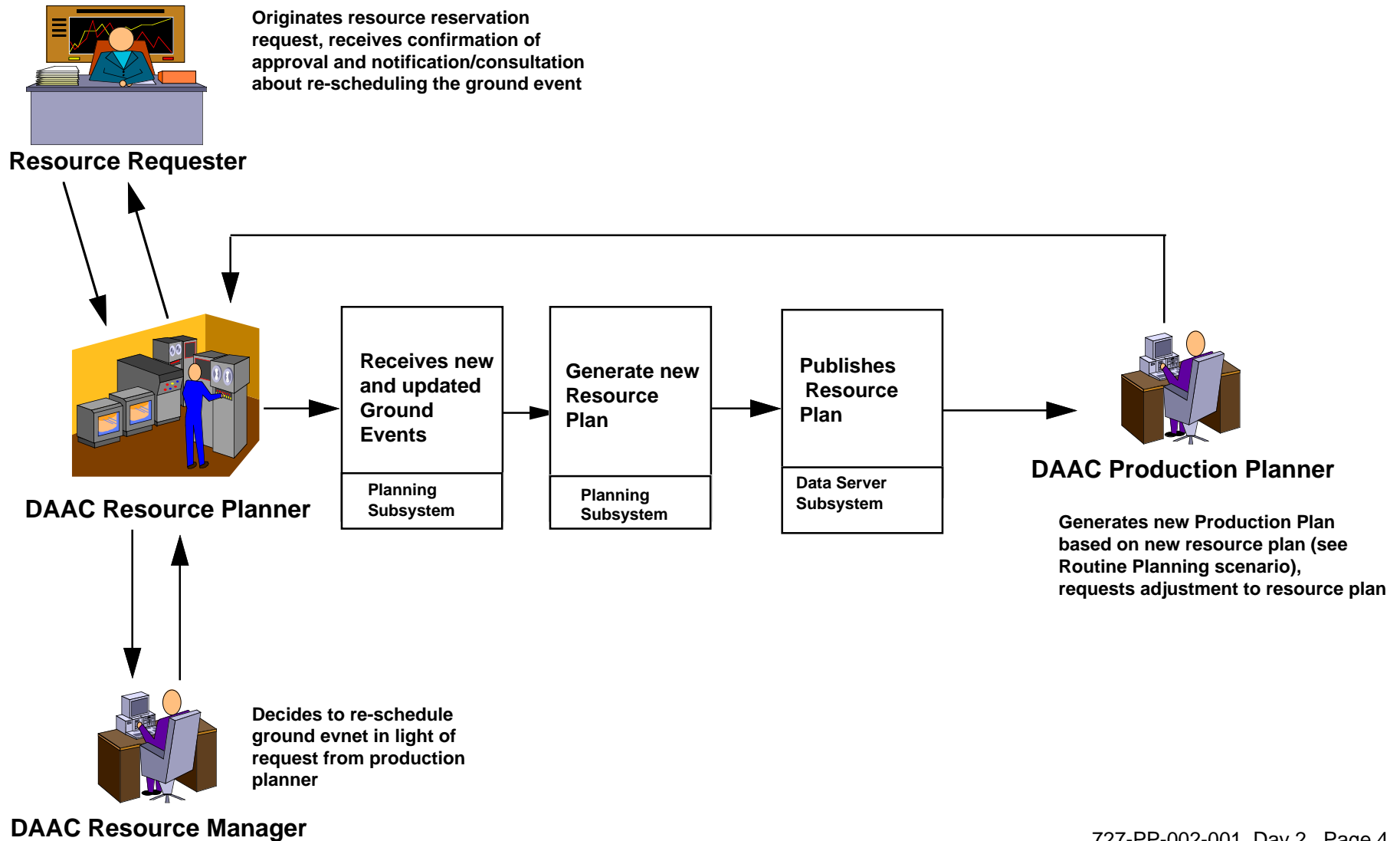
- DAAC Resource Planner enters new resource reservation
- Resource Planner generates new resource plan
- DAAC Production Planner uses new resource plan to generate new production plan and discovers a conflict with a major MODIS reprocessing request.
- Production Planner requests change from Resource Planner who consults with the DAAC Resource Manager, who directs ground event to be re-scheduled
- Ground event is re-scheduled and new resource and production plans are generated

Resource Planning Description

604/IDR Scenario Heritage

- **Operations Concept for the ECS Project: Part 2A - ECS Release A
604-CD-003-002 (Resource Planning (Scheduling) Activities Scenario)**
- **Maintenance and Operations Manual for the ECS Project; 607-CD-001-001**
- **705-CD-005-001 Day 1 (Resource Planning for Reprocessing)**

Resource Planning Functional Flow

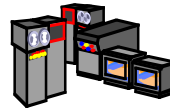


Resource Planning

Points of View



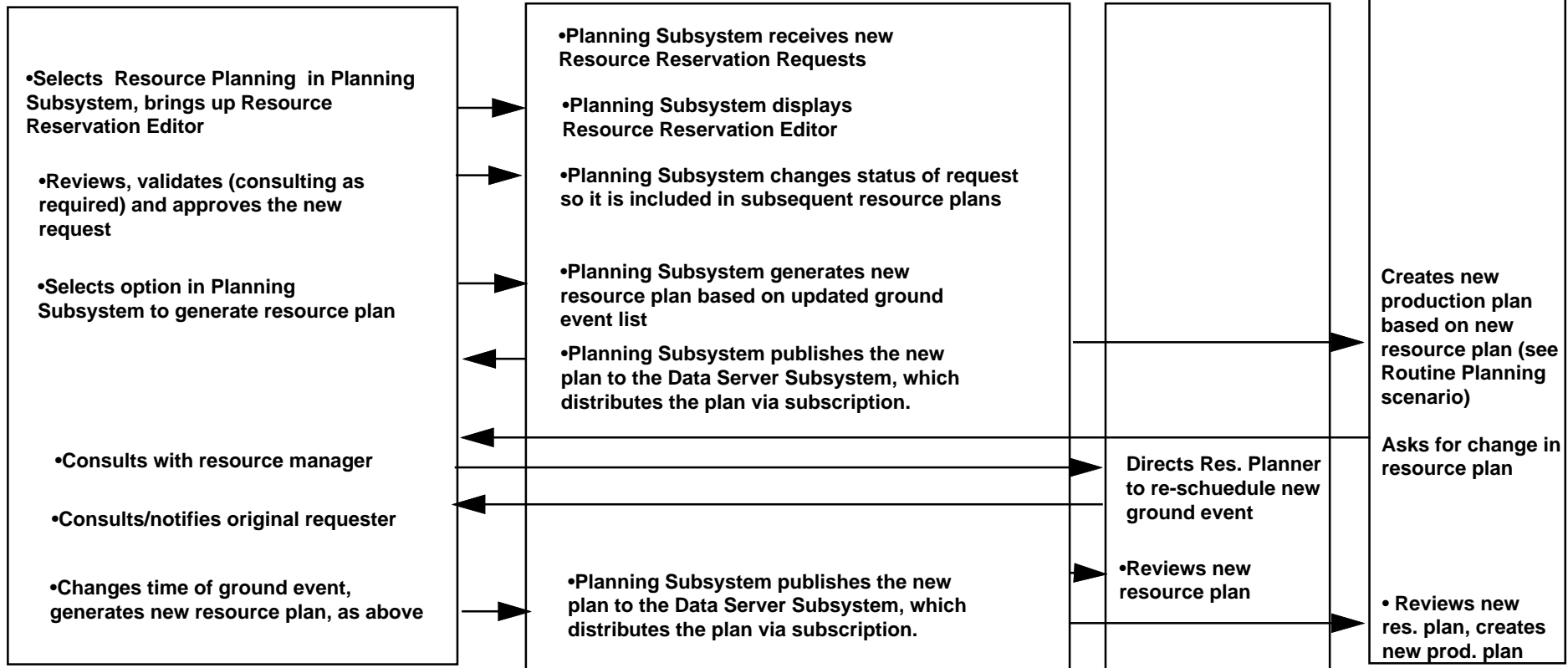
Resource Planner



Resource Manager



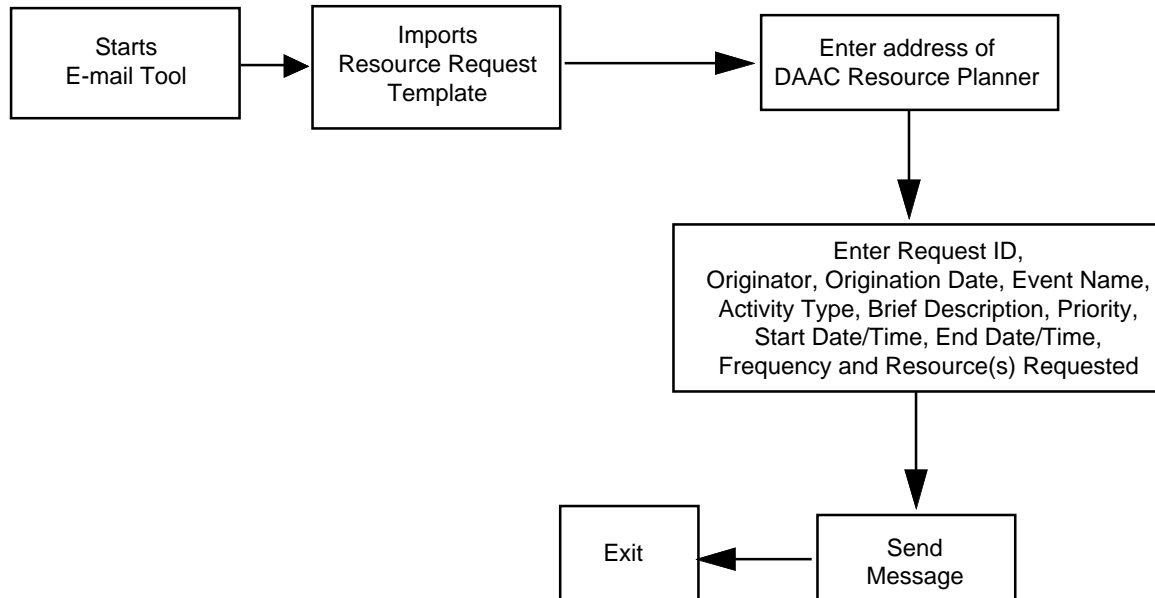
Prod. Planner



Resource Planning

Activity - Enter Resource Reservation

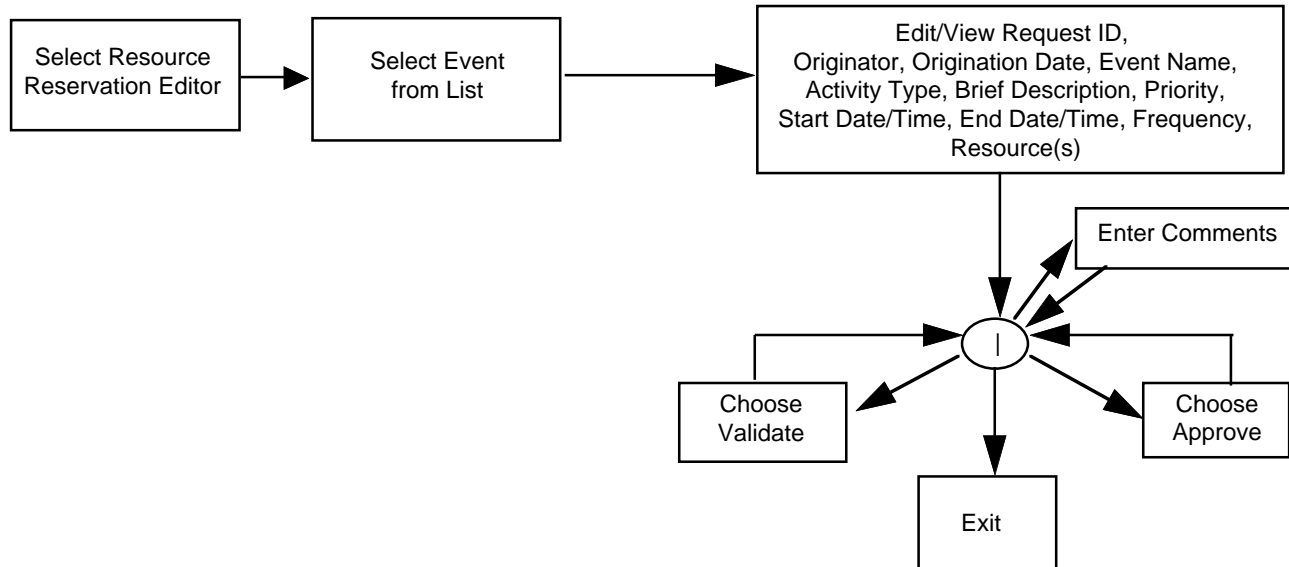
Role - Resource Requester



Resource Planning

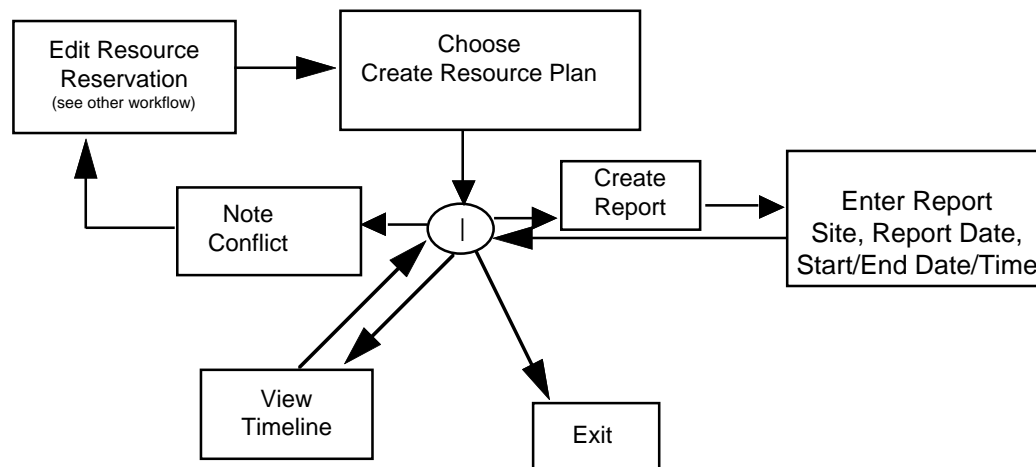
Activity - View/Edit/Approve Resource Reservation

Role - Resource Planner



Resource Planning

Activity - Create Resource Plan
Role - Resource Planner



Resource Planning

Data Activity

| Operator Function | Data Element | Operation Interactions |
|----------------------------|-------------------|------------------------|
| Enter Resource Reservation | Originator | Input |
| | Origination Date | Input |
| | Event Name | Input |
| | Activity Type | Input |
| | Brief Description | Input |
| | Priority | Input |
| | Start Date/Time | Input |
| | End Date/Time | Input |
| | Frequency | Input |
| Enter Validation/ Approval | Approval | Input |
| | Validation | Input |
| Create Resource Plan | Start Date/Time | Input |
| | End Date/Time | Input |